

CLAIMS:

1. A method for decreasing calorie intake in a subject, a method for decreasing appetite in a subject, a method for decreasing food intake in a subject, a method for increasing energy expenditure in a subject, a method for weight control or treatment in a subject, or a method for reduction or prevention of obesity in a subject, which comprises administering oxyntomodulin to the subject.
2. A method for preventing and reducing weight gain in a subject; a method for inducing and promoting weight loss in a subject; or a method for reducing obesity as measured by the Body Mass Index, which comprises administering oxyntomodulin to the subject.
3. A method for controlling of any one or more of appetite, satiety and hunger in a subject, which comprises administering oxyntomodulin to the subject.
4. A method as claimed in claim 3 for inducing, increasing, enhancing or promoting satiety and/or sensations of satiety in a subject, which comprises administering oxyntomodulin to the subject.
5. A method as claimed in claim 3 for reducing, inhibiting or suppressing hunger or sensations of hunger in a subject, which comprises administering oxyntomodulin to the subject.
6. A method for maintaining desired body weight, a desired Body Mass Index, and/or a desired appearance and good health in a subject, which comprises administering oxyntomodulin to the subject.
7. A method for improving lipid profile in a subject, which comprises administering oxyntomodulin to the subject.

8. A method for alleviating a condition or disorder in a subject, which condition or disorder can be alleviated by reducing nutrient availability and/or by increasing energy expenditure, which comprises administering oxyntomodulin to the subject.
9. A method for reducing levels of circulating ghrelin in a subject, which comprises administering oxyntomodulin to the subject.
10. A method as claimed in any one of claims 1 to 9, wherein the effect is achieved by reducing levels of circulating ghrelin.
11. A method as claimed in any one of claims 1 to 10, wherein the oxyntomodulin is administered via a route peripheral to the brain.
12. A method as claimed in claim 11, wherein the oxyntomodulin is administered by an oral, mucosal e.g. buccal, sublingual, nasal, rectal, subcutaneous, transdermal intravenous, intramuscular or intraperitoneal route.
13. A method as claimed in any one of claims 1 to 12, wherein the oxyntomodulin is administered peripherally at a dose of, for example, 0.1 nmoles or more per kg body weight of the subject, for example, 0.2 nmoles or more, for example, 0.5 nmoles or more, for example, 1 nmole or more, for example, 1.5 nmoles or more, for example, 2 nmole or more, for example, 2.5 nmoles or more, for example, 3 nmoles or more, for example, 4 nmoles or more, for example, 5 nmoles or more, for example, 6 nmoles or more, for example, 7 nmoles or more, for example, 8 nmoles or more, for example, 9 nmoles or more, for example, 10 nmoles, for example, 11 nmoles or more, for example, up to 12 nmoles per kg body weight.
14. A method as claimed in any one of claims 1 to 12, wherein the oxyntomodulin is administered at a dose of up to 11 nmoles per kg body weight, for example, up to 10 nmoles, for example, up to 9 nmoles, for example, up to 8 nmoles, for example, up to 7 nmoles, for example, up to 6 nmoles, for example, up to 5 nmoles, for example, up to 4 nmoles, for example, up to 3 nmoles, for example, up to 2 nmoles, for

example, up to 1 nmoles, for example, up to 0.5 nmoles, for example, up to 0.4 nmoles, for example, up to 0.2 nmoles per kg body weight.

15. A method as claimed in any one of claims 1 to 14, wherein the oxyntomodulin is administered at a dose of 0.5mg to 2mg before meals.

16. A method as claimed in any one of claims 1 to 15, which comprises administering oxyntomodulin and one or more other agent(s), each of which has an influence in on weight and/or food intake.

17. A method as claimed in claim 16, wherein the other agent(s) each has any one of more of the following effects: reduces food intake and/or reduces hunger, reduces weight, reduces or prevents obesity, increases energy expenditure or reduces nutrient availability in a mammal.

18. A method as claimed in claim 16 or claim 17, where the other agent or one of the other agents is GLP-1 or an agonist thereof.

19. A method as claimed in claim 16 or claim 17, wherein the other agent or one of the other agents is PYY or an agonist thereof.

20. A method as claimed in claim 16 or claim 17, wherein the other agents are PYY or an agonist thereof and GLP-1 or an agonist thereof.

21. A method as claimed in any one of claims 16 to 20, wherein the oxyntomodulin and the other agent(s) are administered simultaneously, or sequentially in any order.

22. A method as claimed in any one of claims 16 to 21, wherein the PYY or agonist thereof and/or the GLP-1 or agonist thereof is administered peripherally at a dose of 0.1 nmoles per kg body weight of the subject or more, for example, 0.2 nmoles or more, for example, 0.4 nmoles or more, for example, 0.6 nmoles or more,

for example, 0.8 nmoles or more, for example, 1.0 nmole or more, for example, 1.2 nmoles or more, for example, 1.4 nmoles or more, for example, 1.6 nmoles or more, for example, 1.8 nmoles or more, for example, 2.0 nmoles or more, for example, 2.2 nmoles or more, for example, 2.4 nmoles or more, for example, 2.6 nmoles or more, for example, 2.8 nmoles, for example, 3.0 nmoles or more, for example, up to 3.2 nmoles per kg body weight.

23. A method as claimed in any one of claims 16 to 22, wherein the PYY or agonist thereof and/or the GLP-1 or agonist thereof is administered peripherally in an amount of up to 3.0 nmoles per kg body weight, for example, up to 2.8 nmoles, for example, up to 2.6 nmoles, for example, up to 2.4 nmoles, for example, up to 2.2 nmoles, for example, up to 2.0 nmoles, for example, up to 1.8 nmoles, for example, up to 1.4 nmoles, for example, up to 1.2 nmoles, for example, up to 1.0 nmoles, for example, up to 0.8 nmoles, for example, up to 0.6 nmoles, for example, up to 0.4 nmoles, for example, up to 0.2 nmoles per kg body weight.

24. Oxyntomodulin for use in a method as defined in any one of claims 1 to 23.

25. Use of oxyntomodulin for the manufacture of a medicament for use in a method as defined in any one of claims 1 to 23.

26. A pharmaceutical composition in unit dosage form comprising oxyntomodulin, in admixture or conjunction with a pharmaceutically suitable carrier, wherein the dose of oxyntomodulin is calculated on the basis of the per kg dose defined in claim 9 or claim 10.

27. A pharmaceutical composition in a form suitable for subcutaneous administration, which comprises from 0.5mg to 2 mg of oxyntomodulin per dose.

28. A pharmaceutical composition comprising oxyntomodulin and one or more other agent(s), each of which has an influence in on weight and/or food intake.

29. A pharmaceutical composition as claimed in claim 28, wherein the other agent(s) has any one of more of the following effects: reduces food intake and/or reduces hunger, reduces weight, reduces or prevents obesity, increases energy expenditure or reduces nutrient availability in a mammal.
30. A composition as claimed in claim 28 or claim 29, where the other agent or one of the other agents is GLP-1 or an agonist thereof.
31. A composition as claimed in claim 28 or claim 29, wherein the other agent or one of the other agents is PYY or an agonist thereof.
32. A composition as claimed in claim 28 or claim 29, wherein the other agents are PYY or an agonist thereof and GLP-1 or an agonist thereof.
33. A composition as claimed in any one of claims 30 to 32, in unit dosage form, wherein the dose of PYY and/or GLP-1 is as defined in claim 22 or claim 23, calculated on the basis of a 70 to 75 kg subject.
34. A composition as claimed in any one of claims 28 to 33, in a form suitable for administration via a route peripheral to the brain.
35. A composition as claimed in claim 34, in a form suitable for administration by an oral, mucosal e.g. buccal, sublingual, nasal, rectal, subcutaneous, transdermal intravenous, intramuscular or intraperitoneal route.
36. A composition as claimed in any one of claims 28 to 35, in unit dosage form, wherein the dose of oxyntomodulin is as defined in 10 or claim 11, calculated on the basis of a 70 to 75 kg subject.
37. A composition as claimed in claim 36, in a form suitable for subcutaneous administration, wherein the dose of oxyntomodulin is from 0.5mg to 2mg.